

**TEST 2**  
**MATHEMATICS**

Name: \_\_\_\_\_

Candidate Number: \_\_\_\_\_

Primary School: \_\_\_\_\_

Boy or Girl: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Today's Date: \_\_\_\_\_

Test Taken At: \_\_\_\_\_

**READ THE FOLLOWING CAREFULLY:**

- Do not open this booklet until you are told to do so.**
- You may work the questions out in your head, or by writing on the white area around the question.
- Work as quickly and as carefully as you can.**
- Make any alterations to your answers **clearly**. You will not lose marks for crossing out.
- You will have **35 minutes** to do the test. If you find you cannot do a question, **do not waste time on it but go on to the next one.**
- Once the test has begun, you should not ask about questions in the test.**
- The use of electronic calculators of any description (including calculator watches) is NOT permitted.**

NOT TO BE FILLED IN BY PUPIL		
PAGE	SCORE	
	R	W
1 (5)		
2 (4)		
3 (6)		
4 (6)		
5 (6)		
6 (8)		
7 (7)		
8 (3)		
TOTAL (45)		
INITIALS OF MARKER(S)		



**You have thirty five minutes to complete this paper.  
Do your working out in the spaces on the paper.**

Please do not write in this space

**1** Calculate:  $354 + 289$

Space for working:

Answer: \_\_\_\_\_

**2** Calculate:  $1100 - 758$

Answer: \_\_\_\_\_

**3** Calculate:  $\frac{5}{8}$  of 72

Answer: \_\_\_\_\_

**4** Calculate:  $27.5 \times 6$

Answer: \_\_\_\_\_

**5** A recipe for 5 people uses 450g of flour.

How much flour will be needed to make this recipe for 7 people?

Answer: \_\_\_\_\_g

PLEASE TURN OVER TO NEXT PAGE

(5)

R  
W

Please do not write in this space

**6** The bus was due at Belmont School at 8.25am but was delayed by 27 minutes.  
How many minutes did the pupils have to walk from the bus to their classrooms for 9.00am registration?

Answer: \_\_\_\_\_ mins.

**7** Which of these shapes has exactly 2 lines of symmetry?  
(2 and no more than 2.)

A. A Square



B. A Parallelogram



C. A Rhombus



D. A Circle



E. A Kite



Answer: \_\_\_\_\_

(Choose A, B, C, D or E)

**8** A shop is giving a 10% discount on selected items.  
How much will an £852 flat screen T.V. be reduced by if it is selected to be in the sale?

Answer: £ \_\_\_\_\_

**9** Hassan gets £10 a week pocket money. His friends Keith, Sanjay and Jason get £12.50, £14.00 and £9.10 each.  
What is the average (mean) amount of pocket money received by the 4 boys?

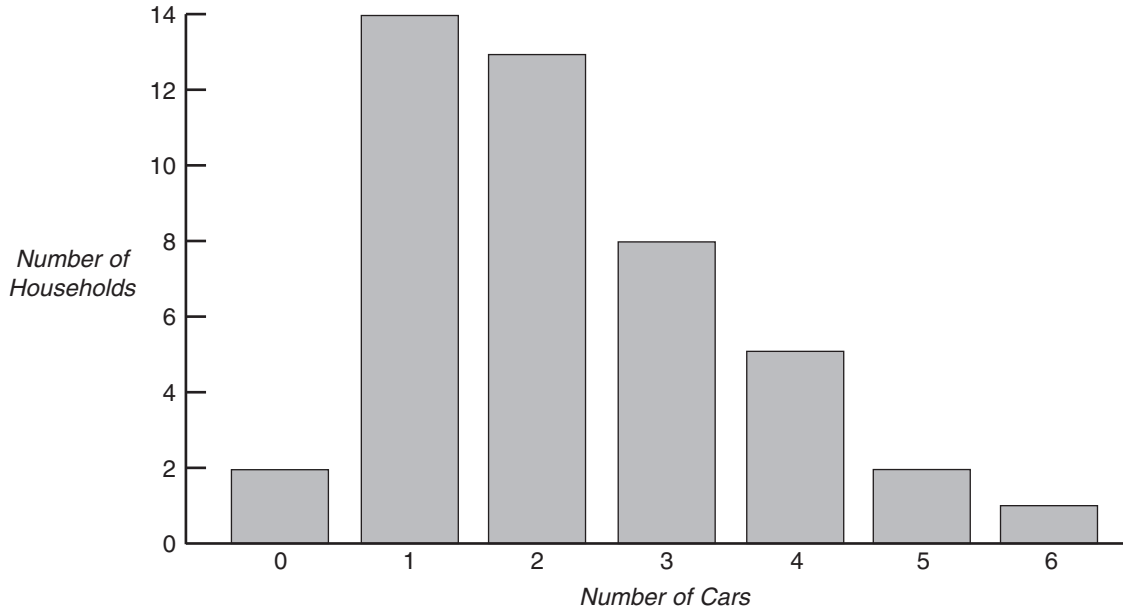
Answer: £ \_\_\_\_\_

R  
W

(4)

Please do not write in this space

**10** The bar chart gives information about the number of cars owned by each household in Prince Avenue.



**A.** How many households own one car each?

(a) Answer: \_\_\_\_\_

**B.** How many households own more than 2 cars?

(b) Answer: \_\_\_\_\_

**C.** How many cars are owned by the residents of Prince Avenue?

(c) Answer: \_\_\_\_\_

**11**                    **17**                    **20**                    **6**                    **36**                    **39**

Which of these numbers is:

(a) a factor of 100?

(a) Answer: \_\_\_\_\_

(b) a prime number?

(b) Answer: \_\_\_\_\_

(c) a multiple of 12?

(c) Answer: \_\_\_\_\_

PLEASE TURN OVER TO NEXT PAGE

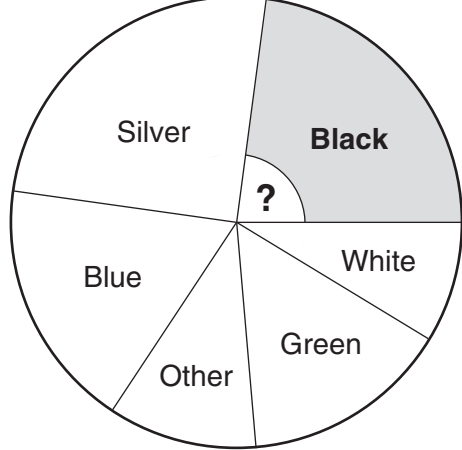
R  
W  
(6)

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**12** Sanjay was born on 20th July 1995.  
How old will he be in **complete** years and months on 25th December 2006?

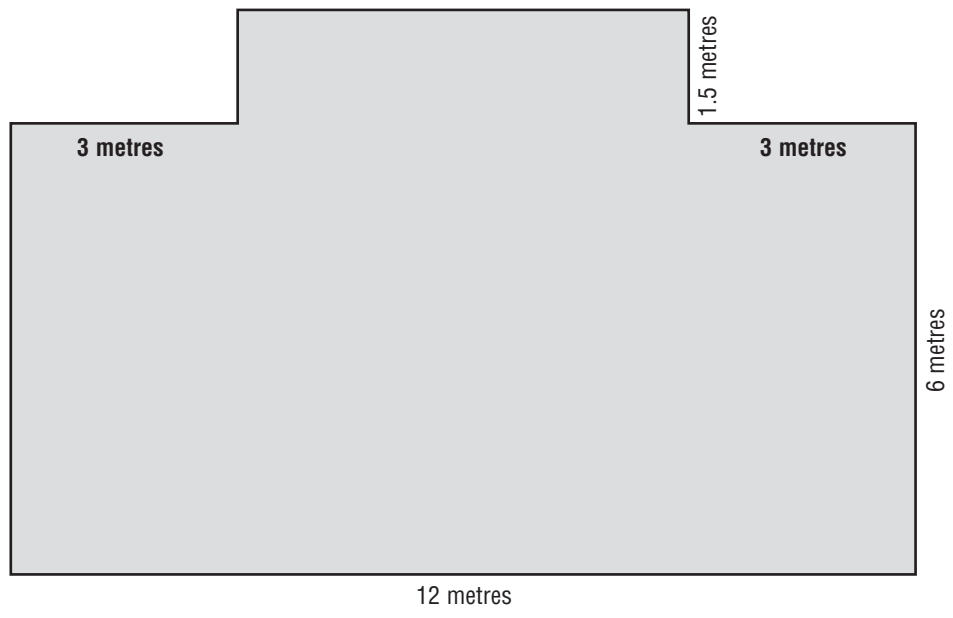
Answer: \_\_\_\_\_ years \_\_\_\_\_ months

**13** Out of 500 cars in a survey 100 were black.  
Calculate the size of the angle for the black car sector of the pie chart.



Answer: \_\_\_\_\_°

**14** What area of carpet is needed to cover the floor shown in the diagram?



Answer: \_\_\_\_\_m<sup>2</sup>

R  
W  
(6)

Please do not write in this space

**15** In a test the pass level is 60%.  
Is a score of 14 correct answers out of 25 questions a pass or a fail?

Answer: \_\_\_\_\_

**16** Fill in the missing + and - signs to make the sum below correct.

$$3 \quad \square \quad 4 \quad \square \quad 8 \quad \square \quad 2 \quad = \quad 1$$

**17** Supermarket A sells yoghurts at £1.50 for a pack of 6.  
Supermarket B sells the same yoghurts at £2.20 for a pack of 10.  
Which supermarket is the more expensive and by how many pence per pot?

Answer: Supermarket \_\_\_\_\_ , \_\_\_\_\_ pence per pot

**18** What is the difference between the largest and smallest of the following numbers?

- A.** 0.75    **B.** 0.59    **C.** 0.89    **D.** 0.9    **E.** 0.66

Answer: \_\_\_\_\_

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19 The number in the middle of each group of 3 adjoining boxes is the mean (average) of its two neighbours.



What numbers should replace A and B?

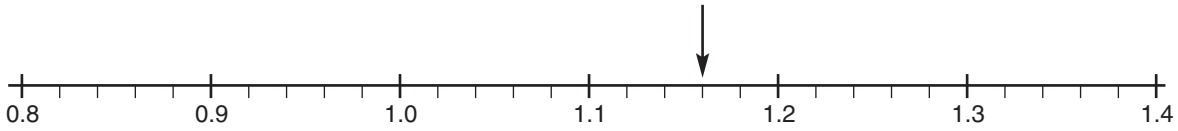
Answers: A = \_\_\_\_\_, B = \_\_\_\_\_

20 Train times between London and Brighton depend on the number of stops made on the way. Calculate the time taken by the **fastest** train from the table below.

	Train A	Train B	Train C	Train D	Train E
Departure Time	16.17	16.45	17.10	17.36	18.04
Arrival Time	17.22	17.55	18.06	18.45	19.02

Answer: \_\_\_\_\_ minutes

21 What measurement does the arrow point to on the scale below?



Answer: \_\_\_\_\_

22 Work out the value of:

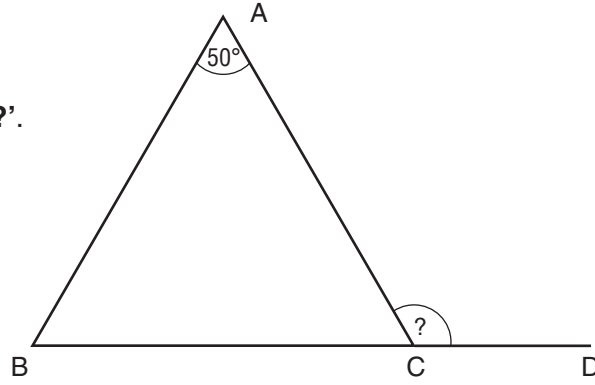
$$18 - (9 - 5) \times 3$$

Answer: \_\_\_\_\_

R  
W  
(8)

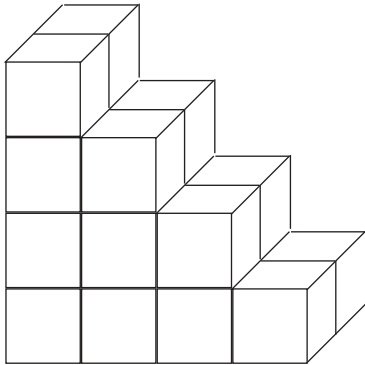
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- 23** The triangle in the picture is isosceles, sides AB and AC are equal.  
How large is the angle marked with a '?'.



Answer: \_\_\_\_\_°

- 24** Each of the cubes in this shape has sides of 1cm and weighs 10g.



- a) How many cubes are there in the bottom layer?
- b) What is the volume of this shape?
- c) How many cubes of the same size must be added to form another 2 layers of the pattern underneath the bottom layer in the picture?
- d) How much will the enlarged 6-layer shape weigh?

Answer: (a) \_\_\_\_\_ cubes

Answer: (b) \_\_\_\_\_ cm<sup>3</sup>

Answer: (c) \_\_\_\_\_ cubes

Answer: (d) \_\_\_\_\_ g

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R  
W  
(7)



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**25** The formula for converting temperatures in degrees Fahrenheit to degrees Centigrade is:

$$C = 5 \times (F - 32) \div 9$$

What is the value of C when F is (a) 50, (b) 5?

Answer: (a) when F = 50, C is \_\_\_\_\_

Answer: (b) when F = 5, C is \_\_\_\_\_

**END OF TEST**

(You should have completed 25 questions.)



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